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09/704,066	11/01/2000	Robert E. Kreider	9399.00	3943

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EXAMINER

SINGH, RACHNA

ART UNIT

PAPER NUMBER

2176

4

DATE MAILED: 05/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/704,066

Applicant(s)

KREIDER ET AL.

Examiner

Rachna Singh

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 November 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>3, 4/9/03</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: Application filed 11/01/00.
2. Claims 1-27 are pending. Claims 1, 12, and 21 are independent claims.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shima et al., US 6,381,507 B1, Apr. 30, 2002 (filed 5/31/00).

In reference to claim 1, Shima teaches a command pass-through functionality.

Shima's system comprises the following:

-An intelligent controller that communicates with a panel subunit of a target device and inquires about various types of controls. The controller generates on its display, a human interface based on these control object descriptions, and when a user manipulates the interface, the controller sends special user events to the target device.

See column 6, lines 1-45 and figure 2. Compare to ***"said processing means . . . via dynamically linked operational objects called by control objects, such that events are returned back to a calling control object"***.

-A user interface implemented within the intelligent controller that is coupled within a networked system and has basic input and display capabilities. See figure 2 and

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column 8, lines 14-36. Compare to ***"a plurality of pages are defined in a mark-up language that are selectively displayed and executed by a controlled browser"***.

-The intelligent controller provides a user interface for controlling events on another, remote, target device within the network. The controller communicates with the display device and input device. The panel subunit with which the controller communicates, uses control objects stored in an object descriptor list to define the physical controls of the target device. The control objects are defined with several standard types of controls and displays that are found on electronic devices (buttons, dials, values). The panel subunit defines a set of commands which are to be applied to the controls. The commands apply to most types of controls. See column 3, lines 20-35. Compare to ***"said controlled browser is controlled by a controlling container object; active control objects for calling said operational objects are contained within said container object"***

-A panel subunit configured to receive a pass-through command code in addition to user-interaction commands. Compare to ***"a single pass-through object is created; at least one of said pages includes a page embedded control object configured to call said pass-through object;"***

-The pass-through command is received in addition to the user interaction commands. The command pass-through can be used to communicate focus navigation commands to the target such as up/down/left/right. When such command keys are pressed by the user, a pass-through command code is communicated to the target device and the device can update the user interface accordingly. See columns 3-4. Compare to ***"at***

least on of said pages includes a page embedded control object configured to call said passthrough object. . .an initiating one of . . .passes to said passthrough object output information detailing a desired call to a specified operational object. . .passthrough object interprets output information . . .that in turn calls the desired operational object; and passthrough object receives event data from. . .operational object and returns input data to said initiating embedded object indicative of said returned event."

Shima teaches a pass-through functionality in a display device; however, he does not specifically state that the pages are in markup language or displayed in a browser; however, since Shima teaches that a user interface is implemented within the intelligent controller that is coupled within a networked system and has basic input and display capabilities, it would have been obvious to one of ordinary skill in the art at the time of the invention to extend Shima's system to include a "browser" and markup language pages because a browser is a user interface that is able to communicate with the network and receive pages defined by markup languages. See figure 2 and column 8, lines 14-36.

In reference to claims 2 and 3, Shima teaches a "self service terminal" in which a graphical display such as a CRT or LCD is used to display text, video, etc. See column 8, lines 14-67 and figure 2. Shima teaches that the self-service terminal can be any device having a display and input capability such as a PDA, cell phone, etc. This can also include an ATM or device that dispenses money or financial transactions.

In reference to claim 4, Shima teaches that a user interface is implemented within the intelligent controller that is coupled within a networked system and has basic input and display capabilities, it would have been obvious to one of ordinary skill in the art at the time of the invention to extend Shima's system to include a "browser" and markup language pages because a browser is a user interface that is able to communicate with the network and receive pages defined by markup languages. See figure 2 and column 8, lines 14-36. These markup languages can include HTML.

In reference to claim 5, Shima teaches that the pass-through command is received in addition to the user interaction commands. The command pass-through can be used to communicate focus navigation commands to the target such as up/down/left/right. When such command keys are pressed by the user, a pass-through command code is communicated to the target device and the device can update the user interface accordingly. The passthrough command is executed in the operating system. See figure 2 and columns 3-4.

In reference to claim 6, Shima's system receives a pass through command code in addition to the user interaction command code. The pass through command code is communicated to the target device in conjunction with an action identifier that maps it to a pre-defined target command. Thus only one passthrough object exists at a time.

In reference to claim 7, Shima teaches calling a contained object with different controls and devices wherein the call to the object is made with a decoder. See column 20, lines 1-20.

In reference to claims 8 and 9, Shima's system returns events to the page via a pass-through command. See columns 3-4. The display represents an electronic program guide.

In reference to claims 10 and 11, Shima teaches storing an action list within the controller device and examining the action list when receiving control input.

Claims 12-20 are rejected under the same rationale used above in claims 1 and 4-11 respectively.

In reference to claim 21, Shima teaches a command pass-through functionality. Shima's system comprises the following:

- A panel subunit that uses control objects stored in an object descriptor list to define the physical controls of the target device. The panel subunit defines a set of commands which are to be applied to any of these controls. See column 3, lines 20-35. Compare to ***"establishing a library of dynamically linkable objects . . . such that events are returned back to a calling control object"***.

- An intelligent controller that communicates with a panel subunit of a target device and inquires about various types of controls. The controller generates on its display, a human interface based on these control object descriptions, and when a user manipulates the interface, the controller sends special user events to the target device. See column 6, lines 1-45 and figure 2. A user interface implemented within the intelligent controller that is coupled within a networked system and has basic input and display capabilities. See figure 2 and column 8, lines 14-36. Compare to ***"establishing a library of dynamically linkable objects . . . such that events are returned back to***

a calling control object. . .establishing the availability of a plurality of pages defined in a mark-up language that may be selectively displayed and executed by a controlled browser, wherein said controlled browser is controlled by a controlling container object”.

-The intelligent controller provides a user interface for controlling events on another, remote, target device within the network. The controller communicates with the display device and input device. The panel subunit with which the controller communicates, uses control objects stored in an object descriptor list to define the physical controls of the target device. The control objects are defined with several standard types of controls and displays that are found on electronic devices (buttons, dials, values). The panel subunit defines a set of commands which are to be applied to the controls. The commands apply to most types of controls. See column 3, lines 20-35. Compare to ***“active control objects for controlling operational objects are contained within said container object”***

-A panel subunit configured to receive a pass-through command code in addition to user-interaction commands. Compare to ***“facilitating the establishment of a single pass-through object, wherein pages defined in said markup language include a page embedded control object configured to call said pass-through object;”***

-The pass-through command is received in addition to the user interaction commands. The command pass-through can be used to communicate focus navigation commands to the target such as up/down/left/right. When such command keys are pressed by the user, a pass-through command code is communicated to the target device and the

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device can update the user interface accordingly. See columns 3-4. Compare to *"calling said pass through object. . .interpreting said output information. . .returning input information. . .via said passthrough object"*.

Shima teaches a pass-through functionality in a display device; however, he does not specifically state that the pages are in markup language or displayed in a browser; however, since Shima teaches that a user interface is implemented within the intelligent controller that is coupled within a networked system and has basic input and display capabilities, it would have been obvious to one of ordinary skill in the art at the time of the invention to extend Shima's system to include a "browser" and markup language pages because a browser is a user interface that is able to communicate with the network and receive pages defined by markup languages. See figure 2 and column 8, lines 14-36.

Claims 22-27 are rejected under the same rationale used in claims 6-11 respectively above.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


Shima et al. US 6,556,221 B1

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rachna Singh whose telephone number is 703.305.1952. The examiner can normally be reached on M-F (8:30-5).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 703.305.9792. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RS
4/30/04



SANJIV SHAH
PRIMARY EXAMINER